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(54) Title: INTEGRIN $\alpha_{IIb}\beta_3$ SPECIFIC ANTIBODIES AND PEPTIDES

V _u	FRL	CDR1	FR2	CDR2	FR3	CDR3	FR4
1	30 31 35 36	49 50	51 52 53	65 66	87 98	113 114 118	
RAD97	EVQLLESGGGLVQPGGSLRLSCAASGFPS	SYAMH	WVRQAPGKGLEWVS	AIGTQQG	TYYADSVKG	RPTISRDNAKNSLYLQMSNLRAEDTAVYCAR	VRVVCGRADRCYAMDV
RAD99	EVQLLESGGGLVQPGGSLRLSCAASGFPS	SYAMH	WVRQAPGKGLEWVS	AIGTQQG	TYYADSVKG	RPTISRDNAKNSLYLQMSNLRAEDTAVYCAR	VRVVCGRADRCYAMDV
RAD12	EVQLLESGGGLVQPGGSLRLSCAASGFPS	SYAMH	WVRQAPGKGLEWVS	AIGTQQG	TYYADSVKG	RPTISRDNAKNSLYLQMSNLRAEDTAVYCAR	VRVVCGRADRCYAMDV
RAD34	EVQLLESGGGLVQPGGSLRLSCAASGFPS	SYAMH	WVRQAPGKGLEWVS	AIGTQQG	TYYADSVKG	RPTISRDNAKNSLYLQMSNLRAEDTAVYCAR	VRVVCGRADRCYAMDV
RAD3	EVQLLESGGGLVHRPGGSRLSCAASGFPS	SYAMH	WVRQAPGKGLEWVS	AIGTQQG	TYYADSVKG	RPTISRDNAKNSLYLQMSNLRAEDTAVYCAR	VRVVCGRADRCYAMDV
RAD32	EVQLLESGGGLVHRPGGSRLSCAASGFPS	SYAMH	WVRQAPGKGLEWVS	AIGTQQG	TYYADSVKG	RPTISRDNAKNSLYLQMSNLRAEDTAVYCAR	VRVVCGRADRCYAMDV
RAD36	EVQLLESGGGLVHRPGGSRLSCAASGFPS	SYAMH	WVRQAPGKGLEWVS	AIGTQQG	TYYADSVKG	RPTISRDNAKNSLYLQMSNLRAEDTAVYCAR	VRVVCGRADRCYAMDV
RAD1	EVQLLESGGGLVQPGGSLRLSCAASGFPS	FYQMS	WVRQAPGKGLEWVS	GVSSSGILTTYYAASVRG	RPTISRDNSRNLYLQMSNLRAEDTAVYCAR	VRTHSRADRCYAMDV	WGQGT

(57) Abstract: The present invention provides integrin $\alpha_{IIb}\beta_3$ specific antibodies and peptides. The antibodies and peptides demonstrate little or no immunoreactivity with other integrins. Methods for inhibiting platelet aggregation using the antibodies and peptides are also provided.